

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(plurality AND protrusion AND flexible AND refractory AND mat).clm.	US-PGPUB	ADJ	ON	2007/08/27 14:49
L2	1400	(combustion AND exhaust AND catalyst).clm.	US-PGPUB	ADJ	ON	2007/08/27 14:50
L3	11	(combustion AND exhaust AND catalyst AND mat).clm.	US-PGPUB	ADJ	ON	2007/08/27 14:50
L4	1	(combustion AND exhaust AND catalyst AND mat AND refractory).clm.	US-PGPUB	ADJ	ON	2007/08/27 14:50
S1	4	("5800905" "5811063" "6024928" "6231818").PN.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 16:04
S2	1107	(422/221,222,179).ccls. OR (428/116)".ccls"	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:36
S3	55656	S2 OR ("180").clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 16:27
S4	56532	((422/221,222,179,181,180).ccls. OR (428/116)".ccls") OR "180".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 17:00
S5	356	S4 AND (catal\$7 support)	US-PGPUB; USPAT	ADJ	ON	2007/04/03 16:33
S6	45	S4 AND (catal\$7 support).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 16:37
S7	109	S4 AND (catal\$7 near3 support).ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/03 16:37
S8	582	S4 AND (cataly\$4 WITH hous\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/03 17:11
S9	148	S4 AND (cataly\$4 WITH hous\$4 WITH mount\$4)	US-PGPUB; USPAT	ADJ	ON	2007/04/03 17:11
S10	44298	("502").clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 07:58
S11	7152	("502").clas. AND (support\$3 catalyst)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 07:59
S12	238	("502").clas. AND (support\$3 catalyst) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/04/05 07:59
S13	197	("502").clas. AND (support\$3 catalyst) AND corrugated AND ceramic	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:03
S14	5	("502").clas. AND (support\$3 catalyst) AND corrugated AND ceramic AND housing.ab.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:02
S15	4	("5800905" "5811063" "6024928" "6231818").PN.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:02

## EAST Search History

S16	335	("502").clas. AND (support\$3 near3 catalyst) AND corrugated AND ceramic	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:50
S17	14	("502").clas. AND (support\$3 near3 catalyst) AND corrugated AND ceramic AND Monel\$2	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:06
S18	64	("502").clas. AND (support\$3 near3 catalyst) AND corrugated AND ceramic AND housing	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 08:15
S19	97	("502").clas. AND (support\$3 near3 catalyst).ab. AND corrugated AND ceramic	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 08:22
S20	106	("502").clas. AND (metal foil) AND corrugated AND ceramic	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 08:33
S21	50	("502/439).ccls. AND (metal foil) AND corrugated AND ceramic	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 08:33
S22	142	("502/439).ccls. AND corrugated AND ceramic	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 11:28
S23	67	(502/439).ccls. AND wrap\$4	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 08:34
S24	1107	(422/221,222,179).ccls. OR (428/116)".ccls" AND (ceramic near4 surround AND metal foil) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/08/27 12:38
S25	0	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic refractory near surround AND metal foil) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:39
S26	1	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near4 surround AND metal foil) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/04/05 08:40
S27	7	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near refractory ) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/08/27 12:24
S28	47	("502").clas. AND (ceramic near refractory ) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:01
S29	26	("502").clas. AND (Monels near3 stainless)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:02
S30	1	((422/221,222,179).ccls. OR (428/116)".ccls") AND (Monels near3 stainless)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:03

## EAST Search History

S31	15	((422/221,222,179).ccls. OR (428/116)".ccls") AND (inconels near3 stainless)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 14:08
S32	22	"4163042"	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:14
S33	21	("4163042").URPN.	USPAT	ADJ	ON	2007/04/05 09:20
S34	21	"3948611"	USPAT	ADJ	ON	2007/04/05 09:20
S35	20	("3948611").URPN.	USPAT	ADJ	ON	2007/04/05 09:20
S36	26	(US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:30
S37	26	(US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:31

## EAST Search History

S38	0	((US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.) AND (hastelloys near3 stainless)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:32
S39	1	((US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.) AND (inconels near3 stainless)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:32
S40	1	((US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.) AND ("300" series stainless steel or "400" series stainless steel)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:34

## EAST Search History

S41	1	((US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.) AND ("300" series stainless steel OR "400" series stainless steel)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:34
S42	9	((US-20040009106-\$ or US-20050096218-\$ or US-20040191137-\$).did. or (US-5645803-\$ or US-5811063-\$ or US-3715193-\$ or US-4765047-\$ or US-3959865-\$ or US-6077483-\$ or US-5866077-\$ or US-5055274-\$ or US-4004888-\$ or US-4969265-\$ or US-4462812-\$ or US-5116581-\$ or US-6017498-\$ or US-6231818-\$ or US-6368726-\$ or US-4767740-\$ or US-3948810-\$ or US-5514347-\$ or US-4163042-\$ or US-3948611-\$ or US-6669912-\$ or US-6245301-\$ or US-4043761-\$).did.) AND (stainless steel)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 09:35
S43	1	"20050207947"	US-PGPUB; USPAT	ADJ	ON	2007/04/09 08:29
S44	1	(502/439).ccls. AND corrugated catalyst carrier	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 13:27
S45	6	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near refractory ) AND (metal near4 foil)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 12:49
S46	2	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near refractory ) AND (metal near4 foil) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/04/05 12:52
S47	2	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near7 refractory ) AND (metal near4 foil) AND corrugated	US-PGPUB; USPAT	ADJ	ON	2007/04/05 13:27

## EAST Search History

S48	5	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near7 refractory ) AND (metal near4 corrugated)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 14:10
S49	22	"4163042"	US-PGPUB; USPAT	ADJ	ON	2007/04/05 13:06
S50	21	("4163042").URPN.	USPAT	ADJ	ON	2007/04/05 13:27
S51	1	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near7 refractory) AND dimples	US-PGPUB; USPAT	ADJ	ON	2007/04/05 13:28
S52	0	"502.ccls" AND dimples	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/04/05 13:28
S53	18	((422/221,222,179).ccls. OR (428/116)".ccls") AND dimples	US-PGPUB; USPAT	ADJ	ON	2007/08/27 12:16
S56	6	((422/221,222,179).ccls. OR (428/116)".ccls") AND (refractory brick)	US-PGPUB; USPAT	ADJ	ON	2007/04/05 14:11
S58	27	(US-20040009106-\$ or US-20040191137-\$ or US-20050096218-\$ or US-20020071791-\$).did. or (US-6231818-\$ or US-6017498-\$ or US-5811063-\$ or US-5116581-\$ or US-5055274-\$ or US-4043761-\$ or US-3948810-\$ or US-6368726-\$ or US-6245301-\$ or US-6077483-\$ or US-5645803-\$ or US-4969265-\$ or US-4765047-\$ or US-6669912-\$ or US-3959865-\$ or US-3948611-\$ or US-3715193-\$ or US-5514347-\$ or US-5866077-\$ or US-4462812-\$ or US-4004888-\$ or US-4163042-\$ or US-4767740-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/04/05 16:15
S59	27	(US-20040191137-\$ or US-20040009106-\$ or US-20050096218-\$ or US-20020071791-\$).did. or (US-5811063-\$ or US-6231818-\$ or US-6017498-\$ or US-5116581-\$ or US-5055274-\$ or US-4043761-\$ or US-3948810-\$ or US-6368726-\$ or US-6245301-\$ or US-6077483-\$ or US-5645803-\$ or US-4969265-\$ or US-4765047-\$ or US-3959865-\$ or US-3948611-\$ or US-3715193-\$ or US-5866077-\$ or US-5514347-\$ or US-4462812-\$ or US-4163042-\$ or US-4004888-\$ or US-4767740-\$ or US-6669912-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/04/09 07:35

## EAST Search History

S60	1	((US-20040191137-\$ or US-20040009106-\$ or US-20050096218-\$ or US-20020071791-\$).did. or (US-5811063-\$ or US-6231818-\$ or US-6017498-\$ or US-5116581-\$ or US-5055274-\$ or US-4043761-\$ or US-3948810-\$ or US-6368726-\$ or US-6245301-\$ or US-6077483-\$ or US-5645803-\$ or US-4969265-\$ or US-4765047-\$ or US-3959865-\$ or US-3948611-\$ or US-3715193-\$ or US-5866077-\$ or US-5514347-\$ or US-4462812-\$ or US-4163042-\$ or US-4004888-\$ or US-4767740-\$ or US-6669912-\$).did.) AND Dimples	US-PGPUB; USPAT	ADJ	ON	2007/04/09 07:35
S61	1	((US-20040191137-\$ or US-20040009106-\$ or US-20050096218-\$ or US-20020071791-\$).did. or (US-5811063-\$ or US-6231818-\$ or US-6017498-\$ or US-5116581-\$ or US-5055274-\$ or US-4043761-\$ or US-3948810-\$ or US-6368726-\$ or US-6245301-\$ or US-6077483-\$ or US-5645803-\$ or US-4969265-\$ or US-4765047-\$ or US-3959865-\$ or US-3948611-\$ or US-3715193-\$ or US-5866077-\$ or US-5514347-\$ or US-4462812-\$ or US-4163042-\$ or US-4004888-\$ or US-4767740-\$ or US-6669912-\$).did.) AND dimples	US-PGPUB; USPAT	ADJ	ON	2007/04/09 07:35
S62	8	"6245301"	US-PGPUB; USPAT	ADJ	ON	2007/04/09 08:29
S63	4	"6245301" AND stainless	US-PGPUB; USPAT	ADJ	ON	2007/04/09 08:30
S64	28	(US-20040191137-\$ or US-20040009106-\$ or US-20020071791-\$ or US-20050096218-\$ or US-20020127154-\$).did. or (US-6231818-\$ or US-6017498-\$ or US-5811063-\$ or US-5116581-\$ or US-5055274-\$ or US-4043761-\$ or US-6368726-\$ or US-6245301-\$ or US-6077483-\$ or US-5645803-\$ or US-4969265-\$ or US-6669912-\$ or US-4765047-\$ or US-3959865-\$ or US-3948611-\$ or US-3715193-\$ or US-5866077-\$ or US-5514347-\$ or US-4163042-\$ or US-4004888-\$ or US-4462812-\$ or US-4767740-\$ or US-3948810-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/04/09 15:33

## EAST Search History

S65	11	((US-20040191137-\$ or US-20040009106-\$ or US-20020071791-\$ or US-20050096218-\$ or US-20020127154-\$).did. or (US-6231818-\$ or US-6017498-\$ or US-5811063-\$ or US-5116581-\$ or US-5055274-\$ or US-4043761-\$ or US-6368726-\$ or US-6245301-\$ or US-6077483-\$ or US-5645803-\$ or US-4969265-\$ or US-6669912-\$ or US-4765047-\$ or US-3959865-\$ or US-3948611-\$ or US-3715193-\$ or US-5866077-\$ or US-5514347-\$ or US-4163042-\$ or US-4004888-\$ or US-4462812-\$ or US-4767740-\$ or US-3948810-\$).did.) AND stainless	US-PGPUB; USPAT	ADJ	ON	2007/04/09 15:34
S66	9	((422/221,222,179).ccls. OR (428/116)".ccls") AND dimples	US-PGPUB	ADJ	ON	2007/08/27 12:16
S67	14	((422/221,222,179).ccls. OR (428/116)".ccls") AND (ceramic near refractory )	US-PGPUB	ADJ	ON	2007/08/27 12:24
S68	242	(422/221,222,179).ccls. OR (428/116)".ccls" AND (ceramic near4 surround AND metal foil) AND corrugated	US-PGPUB	ADJ	ON	2007/08/27 12:38
S69	57553	((422/221,222,179,181,180).ccls. OR (428/116)".ccls") OR "180".clas.	US-PGPUB; USPAT	ADJ	ON	2007/08/27 12:51
S70	7067	((422/221,222,179,181,180).ccls. OR (428/116)".ccls") OR "180".clas.	US-PGPUB	ADJ	ON	2007/08/27 12:52
S71	454	((422/221,222,179,181,180).ccls. OR (428/116)".ccls")	US-PGPUB	ADJ	ON	2007/08/27 12:58
S72	1	(combustion exhaust catalyst).clm.	US-PGPUB	ADJ	ON	2007/08/27 14:50
S73	3660	(plurality near2 protrusions).clm.	US-PGPUB	ADJ	ON	2007/08/27 12:59
S74	1	((plurality near2 protrusions) AND flexible refractory mat).clm.	US-PGPUB	ADJ	ON	2007/08/27 14:49
S75	1	((plurality near2 protrusions) AND (flexible refractory mat)).clm.	US-PGPUB	ADJ	ON	2007/08/27 13:00